

03050206-060

(Dean Swamp)

General Description

Watershed 03050206-060 is located in Orangeburg and Berkeley Counties and consists primarily of *Dean Swamp* and its tributaries. The watershed occupies 66,753 acres of the Upper and Lower Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Rains-Lynchburg-Goldsboro-Hobcaw series. The erodibility of the soil (K) averages 0.17 and the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 46.5% forested land, 33.2% agricultural land, 14.9% forested wetland (swamp), 4.4% barren land, 0.7% urban land, and 0.3% nonforested wetland (marsh).

Sandy Run (Moon Savanna) originates near the Town of Eutawville and accepts the drainage of Cedar Swamp (Toney Bay) before merging with Black Creek (Little Black Creek) to form Dean Swamp, which also accepts the drainage of Briner Branch before draining into Four Hole Swamp. There are a total of 127.5 stream miles and 52.8 acres of lake waters in this watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-596	BIO	FW	CEDAR SWAMP AT CEMENT BRIDGE ROAD OFF SR 640
E-030	W/INT	FW	DEAN SWAMP AT U.S. 176

Dean Swamp (E-030) - Aquatic life uses are fully supported. This is a blackwater system, which are often characterized by naturally low pH and dissolved oxygen concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and considered natural, not standards violations. Recreational uses are fully supported.

Cedar Swamp (E-596) - Aquatic life uses are fully supported based on macroinvertebrate community data.

Groundwater Quality

<u>Well #</u>	<u>Class</u>	<u>Aquifer</u>	<u>Location</u>
AMB-052	GB	PEE DEE	EUTAW SPRINGS

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

NPDES#

TYPE

COMMENT

SANDY RUN TRIBUTARY
MARTIN MARIETTA/ORANGEBURG
PIPE #: 001 FLOW: M/R

SCG730268
MINOR INDUSTRIAL

SANDY RUN TRIBUTARY
MARTIN MARIETTA/BERKELEY QUARRY
PIPE #: 001 FLOW: M/R

SCG730058
MINOR INDUSTRIAL

Nonpoint Source Management Program

Mining Activities

MINING COMPANY

MINE NAME

PERMIT #

MINERAL

MARTIN MARIETTA AGGREGATES
BERKELEY QUARRY

0098-15
LIMESTONE

MARTIN MARIETTA AGGREGATES
ORANGEBURG QUARRY

0802-75
LIMESTONE

Growth Potential

There is a low potential for growth in this watershed, which contains portions of the City of Holly Hill and the Town of Eutawville. A rail line and S.C. 453 runs from Holly Hill to the Eutawville. This road is bisected by U.S.176 in Holly Hill.